

## INFLUENCE OF ENGLISH LARGE WHITE BREED ON PERFORMANCE TRAITS OF LITHUANIAN WHITE PIGS

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**Summary.** The study on the influence of different pig breed on productivity was performed in Lithuania from 2002 to 2003. It was indicated that English Large White breed pigs had no significant influence on the litter size and milk yield, but improved the fattening performance and carcass traits of Lithuanian White pigs. Lithuanian White crossbreeds with 50% of English Large White pigs blood (LWxELW-F<sub>1</sub>, n= 147) compared to purebred Lithuanian White pigs (LWxLW, n = 172) have reached 100 kg live weight on 7 days earlier, increased daily weight gain on 65 g and consumed 6.51 MJ less of metabolizable energy/kg weight (P<0.001). Furthermore, the backfat of crossbreeds at the last rib area was on 4.8 mm thinner, and the loin lean area, ham weight and lean meat content were, respectively, on 4.6 cm<sup>2</sup>, 0.4 kg and 3.5 % higher compared to Lithuanian White pigs at the control group (P<0.001).

**Keywords:** pig breeds, reproductive, fattening and carcass traits.